

Please enter this amendment, dated 11/15/2005.

Thank you. Ro 11/21/2005

Serial No. 10/796,277

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (ORIGINAL), (CURRENTLY AMENDED), (CANCELLED), (WITHDRAWN), (NEW), (PREVIOUSLY PRESENTED), (PREVIOUSLY ADDED) or (NOT ENTERED).

Please CANCEL claims 1, 2 and 7, AMEND claims 3 and 6 and ADD new claims 8-10 in accordance with the following:

1. (CANCELLED)

2. (CANCELLED)

3. (CURRENTLY AMENDED) ~~The A~~ numerical controller of claim 1 having a numerical control section that outputs movement commands and a motor control section that controls motors according to the movement commands from the numerical control section, the numerical controller comprising:

an interface unit receiving signals from sensors and sending the received signals to the motor control section; and

a data table storing a correspondence between the sensors and the motors,

wherein the motor control section receives the signals from a plurality of sensors through the interface unit and controls one motor corresponding to the plurality of sensors according to the correspondence between the sensors and the motors set in the data table, and wherein

an emergency stop signal is associated with the motors as one of the sensor signals.

4. (ORIGINAL) A numerical controller in which a plurality of servo amplifiers and one interface unit or a plurality of interface units are interconnected through a serial bus in a daisy chain fashion, the numerical controller comprising:

a plurality of servo motors controlled by the plurality of servo amplifiers;

a plurality of sensors, including a sensor that senses the position of a movable part driven by at least one of the servo motors; and

a memory storing a data table in which one or more of the sensors in the plurality of

Do not enter the amendment of 10/13/2005.

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Re 11/21/05

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IN THE CLAIMS:

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Please AMEND claims 1, 2 and 7 and ADD claims 8-13 in accordance with the following:

1. (CURRENTLY AMENDED) A numerical controller having a numerical control section that outputs movement commands and a motor control section that controls motors according to the movement commands from the numerical control section, the numerical controller comprising:
 - an interface unit receiving signals from sensors and sending the received signals to the motor control section; and
 - a data table storing a correspondence between the sensors and the motors,
 - wherein the motor control section receives the signals from ~~one or~~ a plurality of sensors through the interface unit and controls ~~one or a plurality of motors~~ motor corresponding to the ~~one or a plurality of~~ sensors according to the correspondence between the sensors and the motors set in the data table.
2. (CURRENTLY AMENDED) The numerical controller of claim 1, wherein the correspondence between the sensors and the motors is ~~one to one, one to n, or n to one~~ (n being an integer greater than or equal to two).
3. (PREVIOUSLY PRESENTED) The numerical controller of claim 1, wherein an emergency stop signal is associated with the motors as one of the sensor signals.
4. (ORIGINAL) A numerical controller in which a plurality of servo amplifiers and one interface unit or a plurality of interface units are interconnected through a serial bus in a daisy chain fashion, the numerical controller comprising:
 - a plurality of servo motors controlled by the plurality of servo amplifiers;
 - a plurality of sensors, including a sensor that senses the position of a movable part driven by at least one of the servo motors; and